

What is claimed is:

1. A laminating machine comprising:

two side frames;

5 a first roll rotatably mounted between the side frames, the first roll including an axle that has an end extending beyond one of the side frames, a first gear being securely mounted to the end of the axle of the first roll;

10 a second roll rotatably mounted between the side frames, the second roll including an axle that has an end extending beyond said one of the side frames, a second gear being securely mounted to the end of the axle of the second roll and meshing with the first gear;

15 a heating device enclosing the first roll and the second roll, leaving an inlet through which an object to be laminated enters the heating device and an outlet through which the object laminated by the heating device leaves the heating device;

20 said one of the side frames including a lug and a positioning member, a movable plate being pivotally mounted by a pivotal shaft to the lug and including a guide slot, the positioning member being slidably received and guided in the guide slot;

25 a unidirectional motor being mounted to a side of the movable plate and including an output shaft, a clutch gear being securely mounted to the output shaft to turn therewith, the output shaft of the motor being extending through the movable plate, allowing joint movement of the movable plate and the output shaft of the motor, the clutch gear being optionally meshed with one of the first gear and the second gear upon pivotal movement of the movable plate between a first position and a second position, wherein when the movable plate is in the first position, the clutch gear meshes with the

- first gear such that power outputted by the motor is transmitted to the first gear and then the second gear meshed with the first gear, which causes the first roll and the second roll to move the object forward, and wherein when the movable plate is in the second position, the clutch gear meshes with the second gear such that the power outputted by the motor is transmitted to the second gear and then the first gear meshed with the second gear, which causes the first roll and the second roll to move the object rearward.
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2. The laminating machine as claimed in claim 1, wherein the movable plate includes a grip extending beyond a casing of the laminating machine via a slot of the casing.
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3. The laminating machine as claimed in claim 1, wherein the guide slot includes a necked portion having a width slightly smaller than a diameter of the positioning member, thereby allowing the necked portion to be retained in an upper side of the positioning member.
- 15 4. The laminating machine as claimed in claim 1, wherein the movable plate further includes a hook, a peg being formed on said one of the side frames, further including a return spring having a first end attached to the hook and a second end attached to the peg.